

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** CYCLONE  
**Chemical Name** Alkali cleaner

**Recommended use of the chemical and restrictions on use**

**Recommended use** Hard surface cleaning, industrial laundry additive  
**Restrictions on use** For industrial use only

**Supplier details**

West Penetone Inc.  
 11411-160 Street  
 Edmonton, AB,  
 T5M3T7  
 Tel: 780-454-3919

**Emergency Telephone Number**

Canutec 1-(613)-996-6666 Internationally or 1-888-226-8832 – North America FOR 24 HOUR TRANSPORT EMERGENCY

## 2. HAZARDS IDENTIFICATION

**Classification**

Corrosive to metals	Category 1
Skin corrosion/irritation	Category 1C
Serious eye damage/eye irritation	Category 1

**Label Elements**

**DANGER**

**Hazard Statements**

May be corrosive to metals  
 Causes severe skin burns and eye damage



**Precautionary Statements - Prevention**

Keep only in original packaging.  
 Do not breathe dusts or mists.  
 Wash face, hands and any exposed skin thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statements - Response**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Immediately call a POISON CENTER or doctor/physician.  
 Absorb spillage to prevent material damage.

**Precautionary Statements - Storage**

Store locked up. Store in a corrosive resistant/container with resistant liner.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
diethylene glycol monobutyl ether	112-34-5	3-7
sodium metasilicate	6834-92-0	1-5
alcohols, C9-C11, ethoxylated	68439-46-3	1-5
sodium dodecylbenzene sulfonate	25155-30-0	1-5
sodium xylene sulfonate	1300-72-7	1-5
sodium hydroxide	1310-73-2	1-5
tetrasodium ethylenediaminetetraacetate	64-02-8	0.5-1.5

### 4. FIRST AID MEASURES

<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

#### **Most important symptoms and effects, both acute and delayed**

Contact with eyes may cause serious corneal injury or damage leading to irritation, discomfort or pain, excess blinking and tear production with marked excess redness and swelling of the conjunctiva. Contact with skin may cause burns or irritation with local redness or blistering.

#### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable Extinguishing Media**

None.

#### **Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed including oxides of carbon, nitrogen, silicon, and sulfur and other irritating gases.

#### **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Use personal protective equipment.

#### **Environmental Precautions**

Prevent further leakage or spillage if safe to do so.

#### **Methods and material for containment and cleaning up**

Contain and solidify with inert absorbent materials. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water. For large spills, stop flow of material, employ dike or bund, and pump off product where this is without risk and possible. Proceed as above.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling** Avoid contact with skin, eyes, and clothing. Use recommended personal protective equipment.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep only in original container. Store locked up away from incompatible materials. Keep from freezing.

**Incompatible Materials** Acids, strong oxidizing agents, amphoteric or light metals

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm	Not available	Not available
sodium metasilicate 6834-92-0	TWA: 2 mg/m <sup>3</sup>	Not available	Not available
sodium hydroxide 1310-73-2	2 mg/m <sup>3</sup> ceiling	2 mg/m <sup>3</sup> ceiling	10 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Under the intended modes of use, exposure control measures are not required.

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** Safety glasses with side shields or goggles, when handling the product at full concentration.

**Skin and body protection** Wear protective gloves and protective clothing, when handling the product at full concentration.

**Respiratory Protection** No personal respiratory equipment normally required.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice. Routinely wash work clothing to remove contaminants.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **APPEARANCE:**

Clear, blue liquid

### **ODOR:**

Glycol/detergent

### **ODOR THRESHOLD:**

Not applicable

### **pH:**

12.5-13.5

### **MELTING POINT / FREEZING POINT:**

Approx. 0°C (32°F)

### **BOILING POINT/BOILING RANGE:**

Approx. 100°C (212°F)

### **FLASH POINT:**

None

### **EVAPORATION RATE, water = 1:**

1

### **FLAMMABILITY (SOLID, GAS):**

Not applicable

### **VAPOR PRESSURE, mm Hg AT 20°C (68°F):**

Not applicable

### **VAPOR DENSITY (Air = 1):**

Not applicable

### **RELATIVE DENSITY AT 20°C (68°F):**

1.060-1.080

### **SOLUBILITY IN WATER:**

Complete

### **PARTITION COEFFICIENT, N-OCTANOL/WATER:**

Not available

### **AUTO-IGNITION TEMPERATURE:**

None

### **DECOMPOSITION TEMPERATURE:**

Not available

### **VISCOSITY:**

Not available

### **FLAMMABLE LIMITS:**

**UPPER:** Not applicable    **LOWER:** Not applicable

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

### Chemical Stability

Stable under normal conditions.

### Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### Conditions to Avoid

Store away from incompatible materials.

### Incompatible Materials

Acids, strong oxidizing agents, amphoteric or light metals.

### Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decompositions can lead to release of irritating gases and vapors such as oxides of carbon, nitrogen, silicon, and sulfur as well as other low molecular weight hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**ATE<sub>mix</sub>** – LD50 oral – approx. >5988 mg/kg (rat), LD50 dermal – approx. >10,000 mg/kg (rabbit), LC50 inhalation-mist – approx. >20 mg/L – 6 h (rat)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
diethylene glycol monobutyl ether 112-34-5	3384 mg/kg (rat)	2700 mg/kg (rabbit)	Not listed
sodium metasilicate 6834-92-0	600 mg/kg (rat)	Not listed	Not listed
alcohols, C9-C11, ethoxylated 68439-46-3	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)	Not listed
sodium dodecylbenzene sulfonate 25155-30-0	500-2000 mg/kg (rat)	Not listed	Not listed
sodium xylene sulfonate 1300-72-7	7200 mg/kg (rat)	Not listed	Not listed
sodium hydroxide 1310-73-2	500 mg/kg (rabbit)	Not listed	Not listed
tetrasodium ethylenediaminetetraacetate 64-02-8	>1780-<2000 mg/kg (rat)	Not listed	>1 mg/L (aerosol) (rat) – 6 h

### Information on likely sources of exposure

<b>Ingestion</b>	Expected to be a low ingestion hazard.
<b>Skin corrosion/irritation</b>	Causes burns or irritation with local redness or blistering.
<b>Inhalation</b>	Expected to be a low inhalation hazard.
<b>Serious eye damage/irritation</b>	Causes serious eye damage.

### Delayed and immediate effects and also chronic effects from short and long-term exposure

<b>Respiratory or skin sensitization</b>	Not a sensitizer.
<b>Germ cell mutagenicity</b>	None known.
<b>Carcinogenicity</b>	No listed human carcinogens.
<b>Reproductive toxicity</b>	No information available
<b>STOT - single exposure</b>	No information available.
<b>STOT-repeated exposure</b>	No information available.
<b>Aspiration Hazard</b>	None.

### Symptoms related to the physical, chemical and toxicological characteristics

Eye damage. Skin burns or irritation.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical Name	Fish	Waterflea	Algae
diethylene glycol monobutyl ether 112-34-5	1300 mg/L: 96 h lepomis macrochirus LC50	Not available	>100 mg/L: 96 h desmodesmus subspicatus EC50
alcohols, C9-C11, ethoxylated 68439-46-3	5-10 mg/L: 96 h LC50	5-10 mg/L: 48 h EC50	10-100 mg/L: 72 h EC50
sodium dodecylbenzene sulfonate 25155-30-0	3.2-5.6 mg/L: 96 h rainbow trout LC50	6.3 mg/L: 48 h daphnia magna EC50	Not available
sodium xylene sulfonate 1300-72-7	> 1000 mg/L: 96 h LC50	> 1000 mg/L: 48 h EC50	> 230 mg/kg, 72 h EC50
sodium hydroxide 1310-73-2	1149 mg/kg: 96 h rainbow trout LC50	Not available	Not available
tetrasodium ethylenediaminetetraacetate 64-02-8	>100 mg/L: 96 h lepomis macrochirus LC50	>100 mg/L: 48 h daphnia magna EC50	>100 mg/L: 72 h green algae EC50

**Persistence and degradability**

Expected to be potentially biodegradable

**Bioaccumulative potential**

Accumulation in organisms is not to be expected.

**Mobility in soil**

No information available

**Other adverse effects**

No other adverse environmental effects are expected.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

### 14. TRANSPORT INFORMATION

UN Number: 3266  
 UN Proper Shipping Name: Corrosive Liquid, Basic, Inorganic, N.O.S. (sodium hydroxide solution)  
 Transport Hazard Class(es):  
 Class: TDG: 8  
 US DOT: 8  
 IMDG: 8  
 Label(s): 8  
 Packing Group: III  
 Marine Pollutant: No

Special precautions for user: None established

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:  
 Not determined

### 15. REGULATORY INFORMATION

## Canada (DSL/NDSL)

All ingredients contained in this product are in compliance with the Canadian Environmental Protection Act and are listed on the DSL or are exempt.

## United States (TSCA)

All ingredients contained in this product are listed on the TSCA inventory or are exempt.

## HMIS Information:

Health: 1  
 Flammability: 0  
 Reactivity: 0

### 16. OTHER INFORMATION

**Preparation Date**

20 May 2016

**Revision Date**

20 October 2020

**Revision Note****Revision 2** - Modifications to Section 9**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of SDS**